

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: C.L. Steele et al.

Attorney Docket No.: WSUR118414

Title: MONOTERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)

INFORMATION DISCLOSURE STATEMENT

Seattle, Washington 98101

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. X This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/360,545, filed July 26, 1999. The references listed on the attached form were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application.
2. X This Information Disclosure Statement is being filed concurrently with the above-identified application.

Respectfully submitted,

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INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION

Applicant: C.L. Steele et al. Attorney Docket No. WSUR118414
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10/025145
12/19/01

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
	U1	4,948,811		8/14/90	Spinner et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
	F1	WO95/11913	A1	5/4/95	PCT		

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
	O1	Bohlmann et al. "Monoterpene Synthases from Grand Fir (<i>Abies grandis</i>): cDNA Isolation, Characterization, and Functional Expression of Myrcene Synthase, (-)-(4S)-Limonene Synthase, and (-)-(1S,5S)-Pinene Synthase," <i>The Journal of Biological Chemistry</i> , 272(35):21784-21782, 1997.
	O2	Bohlmann et al., "Terpenoid-based Defenses in Conifers: cDNA Cloning, Characterization and Functional Expression of Wound-induced (E)-alpha-bisabolene Synthases from Grand Fir (<i>Abies grandis</i>)," <i>PNAS USA</i> , 95(12):6756-6761, 1998.
	O3	Colby, S.M. et al., <i>J. Biol. Chem.</i> , 268: 23016-23024, 1993.
	O4	Facchini, P.J. and J. Chappell, <i>Proc. Natl. Acad. Sci.</i> , 89:11088-11092, 1992.
	O5	Funk, C. et al., <i>Plant Physiol.</i> , 106:999-1005, 1994.

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- _____ O6 Gijzen, M. et al. *Arch. Biochem. Biophys.*, 289:267-273, 1991.
- _____ O7 LaFever, R.E. et al., *Arch. Biochem Biophys.*, 313:139-149, 1994.
- _____ O8 Lewinson, E. et al. *Arch. Biochem. Biophys.*, 293:167-173, 1992.
- _____ O9 Mau, C.J.D. and C.A. West, *Proc. Natl. Acad. Sci USA*, 91:8497-8501 (1994).
- _____ O10 Rajaonarivony, J.I.M. et al., *Arch. Biochem Biophys.*, 296:49-57, 1992.
- _____ O11 Steele, C. et al., *Proc. Natl. Acad. Sci. USA*, 92:4164-4168, 1995.
- _____ O12 Stofer-Vogel, B. et al., *J. Bio. Chem.*, 271:23262-23268, 1994.
- _____ O13 Wagschal, K. et al., *Tetrahedron*, 47:5933-5944, 1991.
- _____ O14 Wildung et al., "A cDNA Clone for Taxadiene Synthase, the Diterpene Cyclase That Catalyzes the Committed Step of Taxol Biosynthesis," *The Journal of Biological Chemistry*, 271(16):9201-9204, 1996.
- _____ O15 Wise, M.L. et al., *Journal of Biological Chemistry*, 273(24):14891-14899, 1998.
- _____ O16 Yuba, A. et al., *Arch. Biochem. Biophys.*, 332:280-287, 1996.

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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